

Abstract of the Disclosure

When a composition wavelength of a material for cladding layers and optical guide layers are defined as $0.92\text{ }\mu\text{m}$ and $1.2\text{ }\mu\text{m}$ respectively, and the thickness of optical guide layers, corresponding to an extreme value in which an inclination of a sensitivity curve of a $1.3\text{ }\mu\text{m}$ -wavelength light and a $1.55\text{ }\mu\text{m}$ -wavelength light with respect to a change in the thickness of each of both optical guide layers changes from positive to negative, are defined as d_1 and d_2 respectively, the thickness d_g of optical guide layers of a light receiving element is configured so as to satisfy $0.75d_1 \leq d_g \leq 1.25d_2$.